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## ABSTRACT OF THE DISCLOSURE

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A drive signal with a drive frequency component great relative to unwanted frequency components is detected to stabilize self-oscillation. Also, the burden on a phase shift circuit is reduced with self-oscillation loop gain maintained. Further, the drive signal is extracted large with drive force maintained. In an ultrasonic motor having piezoelectric vibrating member having flexion vibrating wave oscillating driving polarized portion so that the piezoelectric vibrating member is oscillated to obtain drive force, a detecting polarized portion is provided symmetrical about a loop of a flexion vibrating wave on the piezoelectric vibrating member in order to detect a drive signal based on oscillation in the driving polarized portion.